CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KD&Co/W.No.16/CSR-03/300g/AGG/GR/2016-17 20.03.2017

TEST REPORT ON SIEVE ANALYSIS OF COARSE AGGREGATES

* Customer	:	**Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.
* Agency	:	**M/s. K. Damodar & Co.,** No.71, East Park Road, Between 13rh and 14th Cross, Malleshwaram, Bangalore – 560 003.
* Name of Work	:	Improvements to cement concrete roads and drains at Ahmednagar in Gangondanahalli in Ward No.131, BBMP, Bangalore.
* Reference	:	EE(Proj)/RRN/WO/48/2016-17 Dated: 27.10.2016
* Sample ID	:	Coarse Aggregates (20mm)
Technical Reference	:	IS : 2386 (Part 1) -1963(RA-2011)
Sample Received on	:	18.03.2017
Date of Testing	:	20.03.2017

Total Wt. of Aggregates in gms= **5000**

IS Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2011)	
		Graded	Single Sized
40	100	100	100
20	97.24	95-100	85-100
10	31.24	25-55	0-20
4.75	5.64	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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VIDYARANI P.K.
Technical Manager

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Job No.: CTCE/BBMP/KD&Co/W.No.16/CSR-03/300g/Cube/2016-17 21.04.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.
* Agency	:	**M/s. K. Damodar & Co.,** No.71, East Park Road, Between 13rh and 14th Cross, Malleshwaram, Bangalore – 560 003.
* Name of the work	:	Construction of Building and Development of Govt. School and improvements in school premises at Jalahalli village in Ward No.16, BBMP, Bangalore.
* Reference	:	EE(Proj)/RRN/WO/48/2016-17 Dated: 27.10.2016
* Sample ID	:	RCC Footing Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	21.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.03.2017	21.04.2017	8.132	478.3	21.26
2	24.03.2017	21.04.2017	8.225	492.5	21.89
3	24.03.2017	21.04.2017	8.337	510.3	22.68

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Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	21.04.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.03.2017	21.04.2017	8.168	480.3	21.35
2	24.03.2017	21.04.2017	8.290	502.8	22.35
3	24.03.2017	21.04.2017	8.356	512.6	22.78

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